

*Attorney Docket 55434USA1A.002
Serial. No. 09/591,584*

(e) a layer of in situ visible light transmissive ambient temperature attachable pressure sensitive adhesive to bond said laminate to window glass, wherein the total thickness of the laminate exceeds about 5 mils and the laminate exhibits a light transmittance.

AO 2
AO 3
AO 3

5. (Twice Amended) The laminate of claim 1 further including a third lamina comprised of visible light transmissive flexible non-adhesive polymeric material.

AO 3

6. (Amended) The laminate of claim 1 wherein the scratch-resistant layer comprises a cured ceramer.

9. (Thrice-Amended) A glazing element which has reduced spall and lacerative consequences on impact fracture; said glazing element comprising:

AO 4

(a) a laminate comprising: a first lamina comprised of visible light transmissive flexible polymeric material having a first major surface and an opposite second major surface; a scratch-resistant layer over said first major surface; at least one additional lamina comprised of visible light transmissive flexible nonadhesive polymeric material; a sufficient number of layers of in situ visible light transmissive pressure sensitive adhesive layers to bond said laminae together with the scratch-resistant layer exposed; a layer of in situ visible light transmissive ambient temperature attachable pressure sensitive adhesive to bond said laminate to window glass, wherein the total thickness of the laminate exceeds about 5 mils and the laminate exhibits a light transmittance; and

(b) window glass.

AO 5
AO 5

12. (Four-times amended) A laminate comprising the following components adhered together in the following order:

- (a) a scratch-resistant layer comprised of cured ceramer;
- (b) a first biaxially oriented polyester film having a thickness of not more than 5 mils (0.13 mm);
- (c) a first pressure sensitive adhesive layer;

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(d) a second biaxially oriented polyester film having a thickness of not more than 5 mils (0.13 mm);
(e) a second pressure sensitive adhesive layer;
(f) a third biaxially oriented polyester film having a thickness of not more than 5 mils (0.13 mm); and
(g) a third ambient-temperature-attachable pressure sensitive adhesive layer;
wherein said pressure sensitive adhesive layers are comprised of pressure sensitive adhesive having a shear storage modulus measured at 22°C in the range of about 0.20 MPa to 0.50 MPa.

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13. (Amended) The laminate of claim 1, wherein each of said visible light transmissive pressure sensitive adhesive layers comprises an adhesive sufficient to maintain the laminac together through the ANSI Z-26 test: 5.04 – Two Hour Boiling Water.

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18. (Amended) The laminate of claim 1, wherein each of said visible light transmissive pressure scnsitive adhesive layers comprises an adhesive sufficient to maintain the laminae together through the ANSI Z-26 test: 5.04 – Two Hour Boiling Water.

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24. (Amended) A light transmissive laminate suited for attachment to window glass to provide a glazing element which has reduced spall and lacerative consequences on impact fracture of the window glass; said laminate comprising:
(a) a first lamina comprised of visible light transmissive flexible nonadhesive polymeric material having a first major surfacc and an opposite second major surface;
(b) a scratch-resistant layer over said first major surface to provide an exposed surface to the laminate;
(c) at least onc additional lamina comprised of visible light transmissive flexible nonadhesive polymeric material;
(d) a sufficient number of layers of in situ visible light transmissive pressure sensitive adhesive layers to bond said laminac together with the hard coating exposed;

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(e) a layer of in situ visible light transmissive ambient temperature attachable pressure sensitive adhesive to bond said laminate to window glass; and wherein the laminate exhibits a light transmittance of at least about 75% and said pressure sensitive adhesive layers are comprised of pressure sensitive adhesive having a shear storage modulus measured at 22°C in the range of about 0.20 MPa to about 0.50 MPa.

Please add new claims 31-40, which read as follows:

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31. (New) The laminate of claim 1, wherein said scratch-resistant layer comprises a scratch-resistant hard coating.

32. (New) The laminate of claim 1, wherein said pressure sensitive adhesive layers directly bond said laminae together.

33. (New) The glazing element of claim 9, wherein said pressure sensitive adhesive layers directly bond said laminae together.

34. (New) The laminate of claim 24, wherein said pressure sensitive adhesive layers directly bond said laminae together.

35. (New) The glazing element of claim 9, wherein said attachable pressure sensitive adhesive comprises a cross linker solution.

36. (New) The laminate of claim 1, wherein the laminate exhibits a light transmittance of at least about 75%.

37. (New) A glazing element as set forth in claim 9, wherein the laminate exhibits a light transmittance of at least about 75%.

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38. (New) A laminate as set forth in claim 1, wherein said first lamina is comprised of optically clear flexible nonadhesive polymeric material, said at least one additional lamina is comprised of optically clear flexible nonadhesive polymeric material, said sufficient number of layers of in situ adhesive layers comprise optically clear pressure sensitive adhesive layers, and said layer of in situ ambient temperature attachable pressure sensitive adhesive comprises an optically clear ambient temperature attachable pressure sensitive adhesive.

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39. (New) A glazing element as set forth in claim 9, wherein said first lamina is comprised of optically clear flexible polymeric material, said at least one additional lamina is comprised of optically clear flexible polymeric material, said sufficient number of layers of in situ adhesive layers comprise optically clear pressure sensitive adhesive layers, and said layer of in situ ambient temperature attachable pressure sensitive adhesive comprises an optically clear ambient temperature attachable pressure sensitive adhesive.

40. (New) A light transmissive laminate as set forth in claim 24, wherein said first lamina is comprised of optically clear flexible nonadhesive polymeric material, said at least one additional lamina is comprised of optically clear flexible nonadhesive polymeric material, said sufficient number of layers of in situ adhesive layers comprise optically clear pressure sensitive adhesive layers, and said layer of in situ ambient temperature attachable pressure sensitive adhesive comprises an optically clear ambient temperature attachable pressure sensitive adhesive.

Remarks

In the Office Action, claims 1-5, 7, 8, 13, 15 and 17 were rejected under § 102(b) as being anticipated by U.S. Patent No. 5,118,540 to Hutchison; claims 1 2, 4, 7, 8, 13, 15 and 17 were rejected under § 102(e) as being anticipated by U.S. Patent No. 6,143,387 to Kubler et al.; claims 6 and 12 were rejected under § 103(a) as being unpatentable over the '540 patent in view of U.S. Patent No. 5,677,050 to Bilkadi et al.; claim 6 was rejected under § 103(a) as being unpatentable over the '387 patent in view of the '050 patent; claims 9-11, 14 and 18-22 were rejected under § 103(a) as being unpatentable over the '540 patent in view of U.S. Patent No. 6,013,722 to Yang et al.; claim 3 was rejected under § 103(a) as being unpatentable over the '387